

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
30-5004(4015)SERIAL NO.
09/465,492LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Vladimir Segal et al.FILING DATE
December 16, 1999GROUP
1742

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

HW	AR		Ruglic, Thomas, "Normalizing of Steel", ASM Handbook Vol 4: Heat Treating, ASM International, August 1991, pages 35-41.
	AS		
	AT		

EXAMINER

Harry S. Williams

DATE CONSIDERED

5/6/03

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Form PTO-145

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U.S. PATENT DOCUMENTS

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HW	AA 5,722,165	03-1998	Kobayashi et al.			
HW	AB 4,517,032	05-1985	Goto et al.			
HW	AC 5,772,795	06-1998	Lally et al.			
HW	AD 6,221,178 B1	04-2001	Torizuka et al.			
	AE					
	AF					
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	AH					
	AI					
	AJ					
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	AL					

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
HW	AM 252,442	09.06.1960	Australia				
HW	AN 55-179784	19.12.1980	Japan				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

HW	AR	Hughes et al., "Grain Subdivision and the Development of Local Orientations in Rolled Tantalum" Tantalum. The Minerals, Metals & Materials Society, 1996. pgs. 257-262. (Year is sufficiently early so that the month is not an issue.)
HW	AS	Arlt, Jr., "Sulfonation and Sulfonation to Thorium and Thorium Compounds" Kirk-Othmer Encyclopedia of chemical Technology vol. 22. pp. 541-564. (1993. Year is sufficiently early so that the month is not an issue.)
HW	AT	Kirkbride et al., "The Effect of Yttrium on the Recrystallization and Grain Growth of Tantalum", J. Less-Common Metals, vol. 9, pp. 393-408. 1965. (Year is sufficiently early so that the month is not an issue.)

EXAMINER *Harry S. Williams* DATE CONSIDERED *5/6/03*

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Document Number	Date	Country	Class	Subclass	Translation		
					Yes	No	
AB							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
AC	HW	National Research Corporation Press Release, pgs. 1-4, July 1964.					
AD	HW	National Research Corporation Data Sheet "SGS Tantalum", pgs. 1-7, no date.					
AD	HW	ASTM Standard Specification for Tantalum and Tantalum Alloy Plate, Sheet, and Strip, pgs. 558-561, 1992. (Year is sufficiently early so that the month is not an issue.)					
AE	HW	Kumar, et al. "Effect of Intermetallic Compounds of the Properties of Tantalum" Materials Research Society Symposium Proceedings, vol. 322, pgs. 413-422, 1994. (Year is sufficiently early so that the month is not an issue.)					
AF	HW	Kumar, et al. "Effect of Intermetallic Compounds of the Properties of Tantalum" Refractory Metals & Hard Materials, vol. 12, pgs. 35-40, 1994. (Year is sufficiently early so that the month is not an issue.)					
AG	HW	Klein et al., "Inhomogeneous Textures in Tantalum Sheets" Materials Science Forum, vol. 157-162, pgs. 1423, (1994). (Year is sufficiently early so that the month is not an issue.)					
AH	HW	Clark et al., "Influence of Transverse Rolling on the Microstructural and Texture Development in Pure Tantalum", Metallurgical Transactions, vol. 23A, pgs. 2183-2191, August 1992.					
AI	HW	Raabe, et al., "Texture and Microstructure of Rolled and Annealed Tantalum", Materials Science and Technology, Vol. 10, pgs. 299-305, April 1994.					
AJ	HW	Wright et al., "Texture Gradient Effects in Tantalum", International Conference on Textures of Materials, 7 pgs., September 1993.					
AK	HW	Wright et al., "Textural and Microstructural Gradient Effects on the Mechanical Behavior of a Tantalum Plate", Metallurgical Transactions A, 25A (1994), pgs. 1-17. (Year is sufficiently early so that the month is not an issue.)					
AL	HW	Clark et al., "Effect of Processing Variables on Texture and Texture Gradients in Tantalum", Metallurgical Transactions A, Vol. 22A, September 1991, pgs. 2039-2047.					
AM	HW	Kumar et al., "Corrosion Resistant Properties of Tantalum" Corrosion 95, Paper No. 253, 14 pages. (No date)					
AN	HW	ASM Handbook, Volume 4 Heat Treating, "Heat Treating of Aluminum Alloys", 1991, pgs. 841-879. (Year is sufficiently early so that the month is not an issue.)					
AO	HW	V.M. Segal, "Materials Processing by Simple Shear", Materials Science and Engineering A, Volume 197, 1995, pgs. 157-164. (Year is sufficiently early so that the month is not an issue.)					
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